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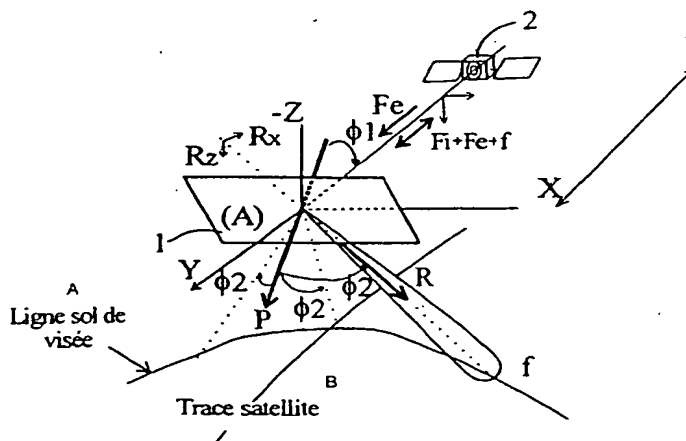
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As printed

(54) Title: SYSTEM COMPRISING A SATELLITE WITH RADIOFREQUENCY ANTENNA

(54) Titre: SYSTEME COMPORTANT UN SATELLITE A ANTENNE RADIOFREQUENCE



A...GROUND LINE AIMED AT
B...SATELLITE TRACK

(57) Abstract: The invention concerns a system comprising a radiofrequency antenna stationed in an orbit around the earth, and illuminating means for transmitting and/or receiving likewise orbiting round the earth located on at least a satellite separate from the one bearing the antenna, the antenna being located in the illuminating field of said means. The invention is characterised in that the antenna is a radiofrequency antenna formed by a mesh generation of tiles and phase-shifting means connected thereto, the signals received by the tiles passing through the phase-shifting means before being assembled on said tiles, said phase-shifting and/or delaying means being capable of diverting the radiofrequency signals corresponding to one or several channels transmitted by the illuminating means to send them to the earth along one or several beams and/or of diverting the radiofrequency signals corresponding to one or several beams transmitted from the earth to send them to the illuminating means along one or several channels.

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